

SEP 13 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Jiaw-Ren Shih
Application Serial No.: 10/811,656
Filed: March 29, 2004
For: CHARGE DEVICE MODEL (CDM) ELECTROSTATIC DISCHARGE (ESD)
FAILURE RATE VIA CAPACITIVE COATING

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

**CERTIFICATE UNDER 37 C.F.R. §3.73(b)
ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION**

1. The assignee of the entire right, title and interest hereby seeks to take action in the PTO in this matter.

IDENTIFICATION OF ASSIGNEE

2. The assignee of this matter is:

TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
No. 8, Li-Hsin Rd. 6
Science-Based Industrial Park
Hsin-Chu, Taiwan 300-77, R.O.C.

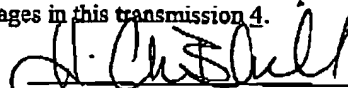
PERSON AUTHORIZED TO SIGN

3. Daniel R. McClure
Attorney for Assignee

CERTIFICATE OF FACSIMILE TRANSMISSION UNDER 37 CFR §1.8

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted on the date indicated below via facsimile to the United States Patent and Trademark Office, Technology Group 2100, facsimile number (571) 273-8300. Total number of pages in this transmission 4.

September 13, 2006
Date


Hui Chin Barnhill

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4. A chain of title from the inventor(s) to the current assignee is shown below:

- a. From: Jiaw-Ren Shih and Jian-Hsing Lee
To: Taiwan Semiconductor Manufacturing Co., Ltd.
Recorded in PTO: Reel: 015160 Frame: 0524

DECLARATIONS

5. I, the undersigned, have reviewed all the documents in the chain of title of the

- ☒ application
☐ patent

matter identified above and, to the best of my knowledge and belief, title is in the assignee identified above.

6. I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

7. I, the person signing below, aver that I am empowered to sign this statement on behalf of the assignee.


Daniel R. McClure, Reg. No. 38,962

Tel. No. 770-933-9500
Customer No.: 24504

**THOMAS, KAYDEN, HORSTEMEYER
& RISLEY, L.L.P.**

100 Galleria Parkway, Suite 1750
Atlanta, Georgia 30339-5948

Docket No. 252016-3090

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application:

Application No.: 10/811,656

Filed: March 29, 2004

Title: **CHARGE DEVICE MODEL (CDM) ELECTROSTATIC DISCHARGE (ESD)
FAILURE RATE VIA CAPACITIVE COAT**

Res/frame No.: 015160/0524

Commissioner for patents
Washington, D.C. 20231

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
(REVOCATION OF PRIOR POWERS)**

REVOCATION OF PRIOR POWERS OF ATTORNEY

the power of attorney previously given is hereby revoked, and

NEW POWER OF ATTORNEY

the following attorneys/agents are hereby appointed to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: I hereby appoint all attorneys of Thomas, Kayden, Horstemeier & Risley, LLP, who are listed under the USPTO Customer Number shown below as the attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, recognizing that the specific attorneys listed under that Customer Number may be changed from time to time at the sole discretion of Thomas, Kayden, Horstemeier & Risley, LLP, and request that all correspondence about the application be addressed to the address filed under the same USPTO Customer Number:

000047390

Patent Trademark Office

Please direct all correspondence and telephone calls to:

**Daniel R. McClure, Reg. No. 38,962
THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.
100 Galleria Parkway, Suite 1750
Atlanta, Georgia 30339
770-933-9500**

ASSIGNEE OF ENTIRE INTEREST


**TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.
8, Li-Hsin Rd. 6
Hsinchu Science Park
Hsinchu, Taiwan 300-77, R.O.C.**

TSMC2003-0948/0503-A30103US

ASSIGNEE CERTIFICATION

The certification under 37 C.F.R. §3.73(b) establishing the right of assignee to take action is attached hereto along with documentation evidencing same. Further, in my official position with Taiwan Semiconductor Manufacturing Company, Ltd., I am authorized to sign documents and otherwise act on its behalf in connection with the management and handling of patent applications and other intellectual property matters.

Date: Sept. 13, 2006


Chien-Wei (Chris) Chou
Director-Intellectual Property Division

TSMC2003-0948/0503-A30103US